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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	DEC 01	ChemPort single article sales feature unavailable
NEWS 3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS 4	APR 07	STN is raising the limits on saved answers
NEWS 5	APR 24	CA/CAplus now has more comprehensive patent assignee information
NEWS 6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS 7	APR 28	CAS patent authority coverage expanded
NEWS 8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS 9	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS 10	MAY 08	STN Express, Version 8.4, now available
NEWS 11	MAY 11	STN on the Web enhanced
NEWS 12	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS 13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS 14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS 15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS 16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS 17	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS 18	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS 19	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS 20	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 15:44:49 ON 10 JUL 2009

=> file ca
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'CA' ENTERED AT 15:45:20 ON 10 JUL 2009
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FILE COVERS 1907 - 9 Jul 2009 VOL 151 ISS 3
FILE LAST UPDATED: 9 Jul 2009 (20090709/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Arp 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

CA now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s us20060102876/pn
L1 1 US20060102876/PN

=> d all

L1 ANSWER 1 OF 1 CA COPYRIGHT 2009 ACS on STN
AN 140:165218 CA
ED Entered STN: 04 Mar 2004
TI Molecule alignment polymer gel and molecule alignment polymer cast film having self-organizing amphiphilic compound as template and process for producing the same
IN Kimizuka, Nobuo; Kagawa, Kazuhiro; Nakashima, Takuya
PA Honda Giken Kogyo Kabushiki Kaisha, Japan
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
IC ICM C08F020-58
ICS C08F002-44; C08G061-12

CC 38-3 (Plastics Fabrication and Uses)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004014965	A1	20040219	WO 2003-JP10068	20030807
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003254862	A1	20040225	AU 2003-254862	20030807
	EP 1553109	A1	20050713	EP 2003-784575	20030807
	EP 1553109	B1	20071024		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 4257293	B2	20090422	JP 2004-527359	20030807
	US 20060102876	A1	20060518	US 2005-524079	20051031 <--
PRAI	JP 2002-231958	A	20020808		
	JP 2003-13943	A	20030122		
	WO 2003-JP10068	W	20030807		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004014965	ICM	C08F020-58
	ICS	C08F002-44; C08G061-12
	IPCI	C08F0020-58 [ICM,7]; C08F0020-00 [ICM,7,C*]; C08F0002-44 [ICS,7]; C08G0061-12 [ICS,7]; C08G0061-00 [ICS,7,C*]
	IPCR	C08F0002-44 [I,C*]; C08F0002-44 [I,A]; C08G0061-00 [I,C*]; C08G0061-12 [I,A]
	ECLA	C08G061/12
AU 2003254862	IPCI	C08F0020-58 [ICM,7]; C08F0020-00 [ICM,7,C*]; C08F0002-44 [ICS,7]; C08G0061-12 [ICS,7]; C08G0061-00 [ICS,7,C*]
	IPCR	C08F0002-44 [I,C*]; C08F0002-44 [I,A]; C08G0061-00 [I,C*]; C08G0061-12 [I,A]
	ECLA	C08G061/12
EP 1553109	IPCI	C08F0020-00 [I,C]; C08F0020-58 [I,A]; C08F0002-44 [I,C]; C08F0002-44 [I,A]; C08G0061-00 [I,C]; C08G0061-12 [I,A]
	IPCR	C08F0002-44 [I,C*]; C08F0002-44 [I,A]; C08G0061-00 [I,C*]; C08G0061-12 [I,A]
	ECLA	C08G061/12
JP 4257293	IPCI	C08G0061-12 [I,A]; C08G0061-00 [I,C*]; C08F0020-58 [I,A]; C08F0020-00 [I,C*]; C08F0002-44 [I,A]; C08J0005-18 [I,A]
US 20060102876	IPCI	C09K0019-52 [I,A]; C09K0019-58 [I,A]
	IPCR	C09K0019-52 [I,A]; C08F0002-44 [I,C*]; C08F0002-44 [I,A]; C08G0061-00 [I,C*]; C08G0061-12 [I,A]; C09K0019-52 [I,C]; C09K0019-58 [I,C]; C09K0019-58 [I,A]
	NCL	252/299.010; 252/299.200; 428/001.100
	ECLA	C08G061/12

AB The invention relates to a mol. alignment polymer gel and a mol. alignment polymer film produced by the self-organization of a self-organizing amphiphilic compound with a monomer interacting with this amphiphilic compound followed by the polymerization of the monomer; and a process for producing the same.

ST polymer gel film self mol alignment manuf amphiphilic compd; template self organizing amphiphilic compd monomer polymn polymer gel

IT Films
Gels
(mol. alignment polymer gel and mol. alignment polymer cast film having self-organizing amphiphilic compound as template and process for producing the same)

IT 35641-59-9P, 2-Acrylamido-2-methylpropanesulfonic acid sodium salt polymer 114815-74-6P, 3-Thiopheneacetic acid polymer 126213-51-2P, 3,4-Ethylenedioxythiophene polymer
RL: IMF (Industrial manufacture); PREP (Preparation)
(film or gels; mol. alignment polymer gel and mol. alignment polymer cast film having self-organizing amphiphilic compound as template and process for producing the same)

IT 656837-99-9 656838-00-5 656838-01-6
RL: NUU (Other use, unclassified); USES (Uses)
(template; mol. alignment polymer gel and mol. alignment polymer cast film having self-organizing amphiphilic compound as template and process for producing the same)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Honda Motor Co Ltd; JP 06-263874 A 1994 CA
(2) Mitsubishi Heavy Industries Ltd; JP 02-308811 A 1990 CA
(3) Shingijutsu Kaihatsu Jigyodan; JP 02-238029 A 1990 CA
(4) Tokuyama Corp; JP 09-299868 A 1997 CA
(5) Zaidan Hojin Kawamura Rikagaku Kenkyusho; JP 20025887 A 2002

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.29	6.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.78	-0.78

FILE 'REGISTRY' ENTERED AT 15:46:34 ON 10 JUL 2009

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0
DICTIONARY FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

```
=> S 35641-59-9/RN

L2            1 35641-59-9/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L2 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.85 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L2   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2009 ACS on STN
RN   35641-59-9  REGISTRY
CN   1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-, sodium
     salt (1:1), homopolymer  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monosodium
     salt, homopolymer (9CI)
OTHER NAMES:
CN   2-Acrylamido-2-methylpropanesulfonic acid sodium salt homopolymer
CN   2-Acrylamido-2-methylpropanesulfonic acid sodium salt polymer
CN   AMPS 2405 homopolymer
CN   Cosmedia HSP 1180
CN   Cosmedia Polymer HSP 1180
CN   Lubrizol 2420
CN   MP 6123
CN   Poly(sodium 2-acrylamide-2-methylpropanesulfonate)
CN   Poly(sodium 2-acrylamido-2-methyl-1-propanesulfonate)
CN   Poly(sodium 2-acrylamido-2-methylpropanesulfonate)
CN   Poly(sodium 2-acrylamido-2-methylpropylsulfonate)
CN   Poly(sodium 2-acryloylamino-2-methylpropylsulfonate)
CN   Sodium 2-acrylamido-2-methylpropanesulfonate homopolymer
CN   Sodium 2-acrylamido-2-methylpropanesulfonate polymer
DR   113996-55-7, 152634-07-6
MF   (C7 H13 N O4 S . Na)x
CI   PMS, COM
PCT  Polyacrylic
LC   STN Files:   CA, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT,
       IFIUDB, TOXCENTER, USPAT2, USPATFULL
     Other Sources:   NDSL**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA  CAplus document type:  Journal; Patent
RL.P   Roles from patents:  BIOL (Biological study); FORM (Formation,
       nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties);
       RACT (Reactant or reagent); USES (Uses)
RLD.P  Roles for non-specific derivatives from patents:  BIOL (Biological
       study); PREP (Preparation); PROC (Process); USES (Uses)
RL.NP  Roles from non-patents:  ANST (Analytical study); BIOL (Biological
       study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP
       (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents:  BIOL (Biological
       study); PREP (Preparation); PROC (Process); PRP (Properties); RACT
       (Reactant or reagent)

     CM   1

     CRN  5165-97-9  (15214-89-8)
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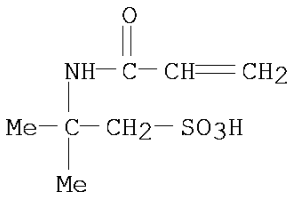
CMF C7 H13 N O4 S . Na



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

269 REFERENCES IN FILE CA (1907 TO DATE)
22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
269 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.01	9.52

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'REGISTRY' ENTERED AT 15:47:53 ON 10 JUL 2009

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DICTIONARY FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0

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on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> S 5165-97-9/RN

L3   1 5165-97-9/RN

=> SET NOTICE 1 DISPLAY

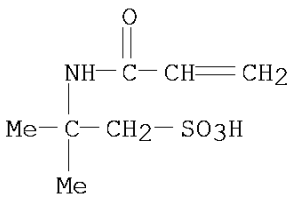
NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L3 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.85 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L3   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN   5165-97-9 REGISTRY
CN   1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-, sodium
     salt (1:1) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1-Propanesulfonic acid, 2-acrylamido-2-methyl-, sodium salt (7CI, 8CI)
CN   1-Propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monosodium
     salt (9CI)
OTHER NAMES:
CN   2-Acrylamido-2-methylpropane-1-sulfonic acid sodium salt
CN   2-Acrylamido-2-methylpropanesulfonic acid sodium salt
CN   AMPS 2403
CN   AMPS 2405
CN   ATBS-NA
CN   Lubrizol 2401
CN   Lubrizol 2403
CN   Lubrizol 2405
CN   Lubrizol 2405A
CN   LZ 2405
CN   Sodium 2-acrylamido-2-methyl-1-propanesulfonate
CN   Sodium 2-acrylamido-2-methylpropanesulfonate
CN   Sodium 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonate
DR   171063-24-4, 129701-88-8, 95243-13-3, 113996-54-6, 115137-50-3,
     112666-19-0, 76701-57-0, 152634-06-5, 86848-82-0, 192388-82-2
MF   C7 H13 N O4 S . Na
CI   COM
LC   STN Files: AGRICOLA, CA, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM,
       IFICDB, IFIPAT, IFIUDB, MSDS-OHS, TOXCENTER, USPAT2, USPATFULL, USPATOLD
     Other Sources: DSL**, EINECS**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Conference; Journal; Patent
RL.P   Roles from patents: ANST (Analytical study); BIOL (Biological study);
       OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties);
       RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
       study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);
       PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES
       (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
       study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP
       (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
       study); PREP (Preparation); PROC (Process); PRP (Properties); RACT

(Reactant or reagent); USES (Uses)
CRN (15214-89-8)



Na

303 REFERENCES IN FILE CA (1907 TO DATE)
120 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
303 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.49	13.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'REGISTRY' ENTERED AT 15:49:36 ON 10 JUL 2009

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DICTIONARY FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0

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http://www.cas.org/support/stngen/stndoc/properties.html

=> S 114815-74-6/RN

L4 1 114815-74-6/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L4 SQIDE 1-

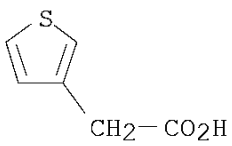
YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.85 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 114815-74-6 REGISTRY
CN 3-Thiopheneacetic acid, homopolymer (CA INDEX NAME)
OTHER NAMES:
CN 3-Thiopheneacetic acid polymer
CN Poly(3-α-carboxylmethylthiophene)
CN Poly(3-α-carboxymethylthiophene)
CN Poly(3-thienylacetic acid)
CN Poly(3-thiophene acetic acid)
CN Poly(thiophene-3-acetic acid)
MF (C6 H6 O2 S)x
CI PMS, COM
PCT Polyother, Polyother only
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); NANO (Nanomaterial); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: PREP (Preparation); PROC (Process); PRP (Properties)

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

CRN 6964-21-2
CMF C6 H6 O2 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

137 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
137 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.49	16.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'REGISTRY' ENTERED AT 15:51:14 ON 10 JUL 2009
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0
DICTIONARY FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> S 126213-51-2/RN

L5 1 126213-51-2/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L5 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.85 U.S. DOLLARS

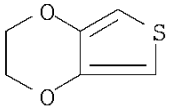
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 126213-51-2 REGISTRY
CN Thieno[3,4-b]-1,4-dioxin, 2,3-dihydro-, homopolymer (CA INDEX NAME)
OTHER NAMES:
CN 2,3-Dihydrothieno[3,4-b]-1,4-dioxine homopolymer
CN 3,4-Ethylenedioxythiophene homopolymer
CN 3,4-Ethylenedioxythiophene polymer
CN Baytron CPUD 2
CN Baytron M
CN Baytron M-V 2
CN Denatron P 502S
CN EDOT homopolymer
CN Orgacon EL-P 3040
CN Ormecon D 1027B50
CN P 502S
CN PEDOT
CN PEDOT HT
CN Poly(3,4-ethylenedioxythiophene)
CN Poly(ethylenedioxythiophene)
DR 344920-32-7, 685136-64-5
MF (C6 H6 O2 S)x
CI PMS, COM
PCT Polyother, Polyother only
SR CA
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, PIRA, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Preprint; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); NANO (Nanomaterial); PREP (Preparation); PROC (Process); PRP (Properties); PRPH (Prophetic); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); NANO (Nanomaterial); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

CRN 126213-50-1
CMF C6 H6 O2 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7141 REFERENCES IN FILE CA (1907 TO DATE)
102 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7207 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.89	22.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'REGISTRY' ENTERED AT 15:55:51 ON 10 JUL 2009

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0
DICTIONARY FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> S 656837-99-9/RN

L6 1 656837-99-9/RN

=> SET NOTICE 1 DISPLAY

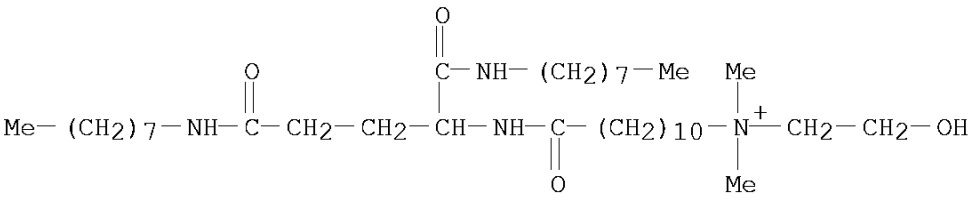
NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L6 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.85 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 656837-99-9 REGISTRY
CN 1-Undecanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-11-[[4-(octylamino)-1-[(octylamino)carbonyl]-4-oxobutyl]amino]-11-oxo- (CA INDEX NAME)
MF C36 H73 N4 O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: USES (Uses)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.53	24.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'REGISTRY' ENTERED AT 15:56:37 ON 10 JUL 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0
DICTIONARY FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and

predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> S 656838-00-5/RN

L7   1 656838-00-5/RN

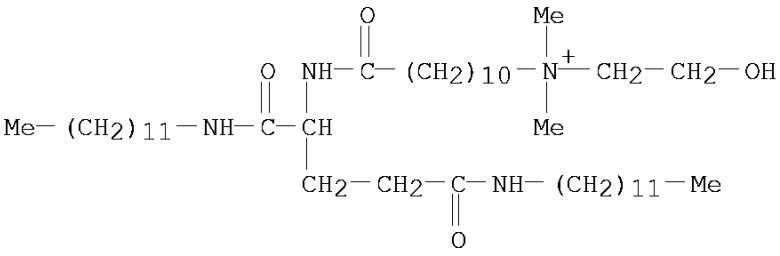
=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L7 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.85 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L7   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN   656838-00-5 REGISTRY
CN   1-Undecanaminium, 11-[[4-(dodecylamino)-1-[(dodecylamino)carbonyl]-4-
     oxobutyl]amino]-N-(2-hydroxyethyl)-N,N-dimethyl-11-oxo- (CA INDEX NAME)
MF   C44 H89 N4 O4
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P   Roles from patents: USES (Uses)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.53	27.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE 0.00 -0.78

FILE 'REGISTRY' ENTERED AT 15:57:04 ON 10 JUL 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0
DICTIONARY FILE UPDATES: 9 JUL 2009 HIGHEST RN 1161815-06-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> S 656838-01-6/RN

L8 1 656838-01-6/RN

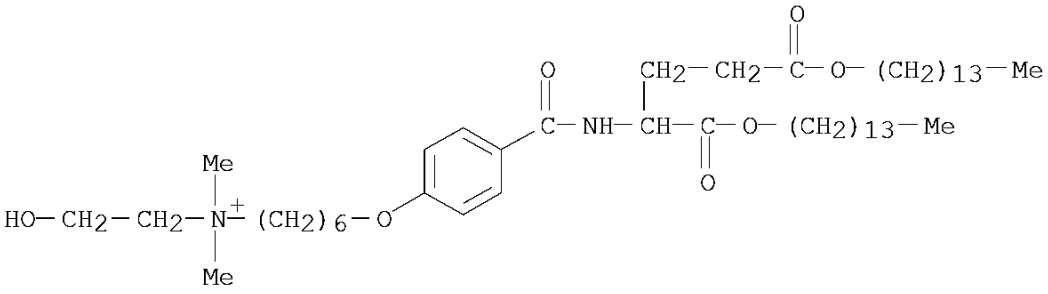
=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L8 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.85 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 656838-01-6 REGISTRY
CN 1-Hexanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-6-[4-[[[4-oxo-4-
(tetradecyloxy)-1-[(tetradecyloxy)carbonyl]butyl]amino]carbonyl]phenoxy]-
(CA INDEX NAME)
MF C50 H91 N2 O7
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: USES (Uses)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF  FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> s pyrrole
        351449 PYRROLE
             3 PYRROLES
L9      351449 PYRROLE
                  (PYRROLE OR PYRROLES)

=> e pyrrole/cn
E1            1     PYRROLAZOTE HYDROCHLORIDE/CN
E2            1     PYRROLCHOLINE/CN
E3            1 --> PYRROLE/CN
E4            1     PYRROLE ANION/CN
E5            1     PYRROLE BLACK/CN
E6            1     PYRROLE BLUE/CN
E7            1     PYRROLE COMPD. WITH PYRIDINE (1:1)/CN
E8            1     PYRROLE COMPOUND WITH IODIDE (1:1)/CN
E9            1     PYRROLE CONJUGATE ACID/CN
E10           1     PYRROLE DECAMER/CN
E11           1     PYRROLE DICATION/CN
E12           1     PYRROLE HEPTAMER/CN

=> s e3
L10           1 PYRROLE/CN

=> d l10

L10  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2009 ACS on STN
RN   109-97-7  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   1H-Pyrrole  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Pyrrole (8CI)
OTHER NAMES:
CN   1-Aza-2,4-cyclopentadiene
CN   Azole
CN   Divinylenimine
CN   Imidole
CN   Monopyrrole
CN   NSC 62777
```

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d his

     (FILE 'HOME' ENTERED AT 15:44:49 ON 10 JUL 2009)

     FILE 'CA' ENTERED AT 15:45:20 ON 10 JUL 2009
L1   1 S US20060102876/PN

     FILE 'REGISTRY' ENTERED AT 15:46:34 ON 10 JUL 2009
L2   1 S 35641-59-9/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 15:47:53 ON 10 JUL 2009
L3   1 S 5165-97-9/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 15:49:36 ON 10 JUL 2009
L4   1 S 114815-74-6/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 15:51:14 ON 10 JUL 2009
L5   1 S 126213-51-2/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 15:55:51 ON 10 JUL 2009
L6   1 S 656837-99-9/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 15:56:37 ON 10 JUL 2009
L7   1 S 656838-00-5/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 15:57:04 ON 10 JUL 2009
L8   1 S 656838-01-6/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY
L9   351449 S PYRROLE
                 E PYRROLE/CN
L10   1 S E3
                 E POLYPYRROLE/CN
L11   1 S E3

     FILE 'REGISTRY' ENTERED AT 16:04:50 ON 10 JUL 2009
L12   1 S 1018967-40-2/RN

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                SET NOTICE 1 DISPLAY
                SET NOTICE LOGIN DISPLAY
L13             STRUCTURE UPLOADED
L14             STRUCTURE UPLOADED
L15           0 S L13 SSS SAM
L16           0 S L13 SSS FULL
L17             STRUCTURE UPLOADED
L18           4 S L17 SSS SAM
L19          27 S L17 SSS FULL
L20             STRUCTURE UPLOADED
L21         147 S L20 SSS FULL

     FILE 'CAPLUS' ENTERED AT 16:20:47 ON 10 JUL 2009

=> d l17
L17 HAS NO ANSWERS
L17             STR
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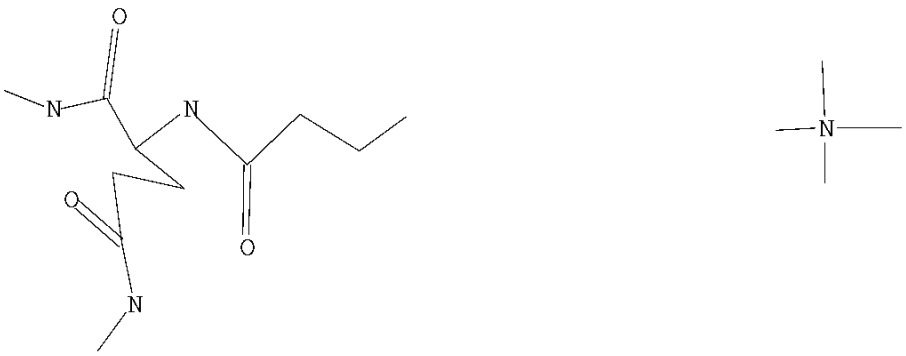

Structure attributes must be viewed using STN Express query preparation.

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=> d l20
L20 HAS NO ANSWERS
L20             STR
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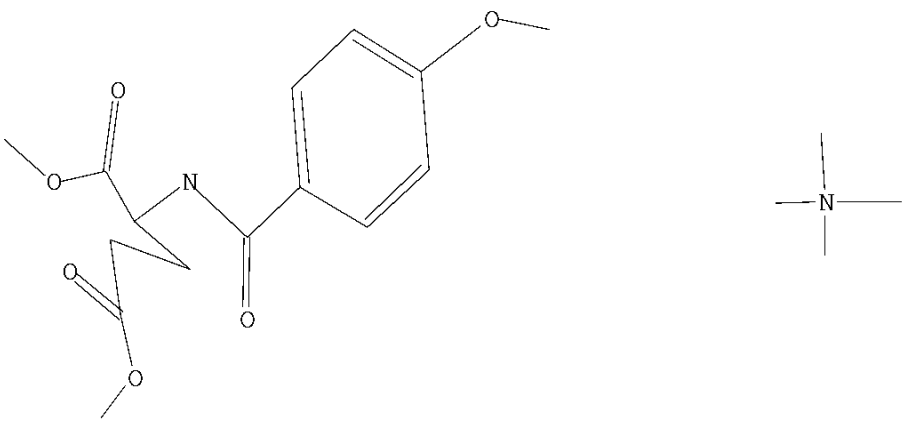

Structure attributes must be viewed using STN Express query preparation.

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=> s l2 or l3 or l4 or l5 or 15214-89-8/rn or 6964-21-2/rn or 126213-50-1/rn or
109-97-7/rn or 30604-81-0/rn
```

```
           269 L2
           303 L3
           137 L4
          7207 L5
          1463 15214-89-8
           636 15214-89-8D
           853 15214-89-8/RN
                 (15214-89-8 (NOTL) 15214-89-8D )
           416 6964-21-2
            16 6964-21-2D
           401 6964-21-2/RN
                 (6964-21-2 (NOTL) 6964-21-2D )
           607 126213-50-1
            50 126213-50-1D
           562 126213-50-1/RN
                 (126213-50-1 (NOTL) 126213-50-1D )
         12997 109-97-7
          1676 109-97-7D
         11455 109-97-7/RN
                 (109-97-7 (NOTL) 109-97-7D )
         12487 30604-81-0
           495 30604-81-0D
         12118 30604-81-0/RN
                 (30604-81-0 (NOTL) 30604-81-0D )
L22      30662 L2 OR L3 OR L4 OR L5 OR 15214-89-8/RN OR 6964-21-2/RN OR 126213-
               50-1/RN OR 109-97-7/RN OR 30604-81-0/RN

=> s l17 or l20
   REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.




SAMPLE SEARCH INITIATED 16:25:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       25 TO ITERATE

100.0% PROCESSED       25 ITERATIONS                                4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          200 TO      800
PROJECTED ANSWERS:               4 TO      200

L23           4 SEA SSS SAM L17



L24           3 L23


   REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

```
SAMPLE SEARCH INITIATED 16:25:09 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       13 TO ITERATE

100.0% PROCESSED       13 ITERATIONS                                  8 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           44 TO      476
PROJECTED ANSWERS:               8 TO      329

L25           8 SEA SSS SAM L20



L26         12 L25


L27         15 L24 OR L26

=> s l22 and l27
L28           1 L22 AND L27

=> d l28

L28  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2009 ACS on STN
AN   2004:143197  CAPLUS
DN   140:165218
TI   Molecule alignment polymer gel and molecule alignment polymer cast film
     having self-organizing amphiphilic compound as template and process for
     producing the same
IN   Kimizuka, Nobuo; Kagawa, Kazuhiro; Nakashima, Takuya
PA   Honda Giken Kogyo Kabushiki Kaisha, Japan
SO   PCT Int. Appl., 33 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
PI   WO 2004014965         A1    20040219    WO 2003-JP10068         20030807
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003254862         A1    20040225    AU 2003-254862          20030807
     EP 1553109            A1    20050713    EP 2003-784575          20030807
     EP 1553109            B1    20071024
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 4257293            B2    20090422    JP 2004-527359          20030807
     US 20060102876        A1    20060518    US 2005-524079          20051031
PRAI JP 2002-231958        A     20020808
     JP 2003-13943         A     20030122
     WO 2003-JP10068       W     20030807
RE.CNT  5     THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
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ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l27 1-5

L27 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2007:280690 CAPLUS
DN 146:317787
TI Self-assembling inorganic nanoparticle-organic compound composites, cured resins containing them, and their manufacture
IN Narikiyo, Yoshitaka; Ogami, Shinya; Kimizuka, Nobuo
PA Kyoritsu Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 20pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2007063232	A	20070315	JP 2005-254647	20050902
PRAI	JP 2005-254647		20050902		

OS MARPAT 146:317787

L27 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:143197 CAPLUS
DN 140:165218
TI Molecule alignment polymer gel and molecule alignment polymer cast film having self-organizing amphiphilic compound as template and process for producing the same
IN Kimizuka, Nobuo; Kagawa, Kazuhiro; Nakashima, Takuya
PA Honda Giken Kogyo Kabushiki Kaisha, Japan
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004014965	A1	20040219	WO 2003-JP10068	20030807
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003254862	A1	20040225	AU 2003-254862	20030807
	EP 1553109	A1	20050713	EP 2003-784575	20030807
	EP 1553109	B1	20071024		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 4257293	B2	20090422	JP 2004-527359	20030807
	US 20060102876	A1	20060518	US 2005-524079	20051031
PRAI	JP 2002-231958	A	20020808		
	JP 2003-13943	A	20030122		
	WO 2003-JP10068	W	20030807		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2002:658880 CAPLUS
DN 138:73478
TI Light-harvesting supramolecular hydrogels assembled from short-legged cationic L-glutamate derivatives and anionic fluorophores
AU Nakashima, Takuya; Kimizuka, Nobuo
CS Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka, 812-8581, Japan
SO Advanced Materials (Weinheim, Germany) (2002), 14(16), 1113-1116
CODEN: ADVMEW; ISSN: 0935-9648
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
OS CASREACT 138:73478
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1992:652816 CAPLUS
DN 117:252816
OREF 117:43759a,43762a
TI Chlorine-sensitive quaternary ammonium compound copolymer membrane and its manufacture
IN Yanagi, Hiroyuki; Watanabe, Shin
PA Tokuyama Soda Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 25 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04001239	A	19920106	JP 1990-100239	19900418
	JP 07103252	B	19951108		
PRAI	JP 1990-100239		19900418		

L27 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1992:145036 CAPLUS
DN 116:145036
OREF 116:24345a,24348a
TI Correlation between physicochemical characteristics of synthetic cationic amphiphiles and their DNA transfection ability
AU Akao, Tetsuyuki; Osaki, Tetsurou; Mitoma, Junya; Ito, Akio; Kunitake, Toyoki
CS Chem. Text. Ind. Res. Inst., Fukuoka Ind. Technol. Cent., Chikushino, 818, Japan
SO Bulletin of the Chemical Society of Japan (1991), 64(12), 3677-81
CODEN: BCSJA8; ISSN: 0009-2673
DT Journal
LA English

=> d l27 6-15 ibib abs hitstr

L27 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:61159 CAPLUS
DOCUMENT NUMBER: 116:61159
ORIGINAL REFERENCE NO.: 116:10566h,10567a
TITLE: Manufacture of thin film laminates
INVENTOR(S): Ueno, Tetsuo; Kamiyama, Katsuhisa; Kunitake, Toyoki
PATENT ASSIGNEE(S): Research Development Corp. of Japan, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03168223	A	19910722	JP 1989-309925	19891129
JP 2845330	B2	19990113		

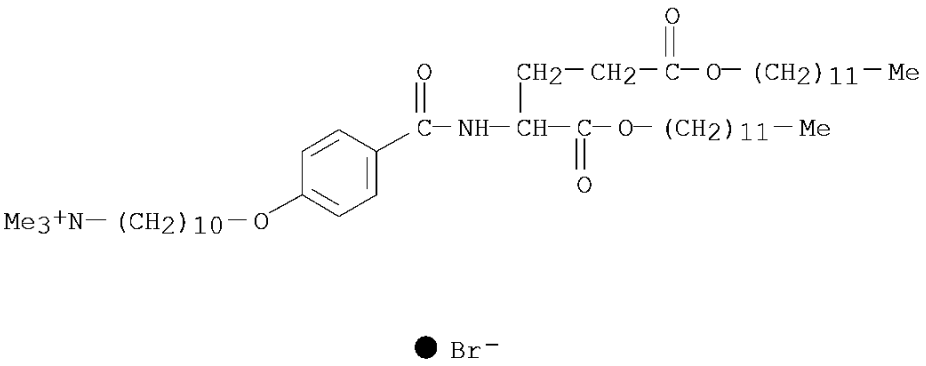
PRIORITY APPLN. INFO.: JP 1989-309925 19891129

AB The title laminates are manufactured by dispersing bimol. film-forming lipids, reactive group-containing water-soluble polymers, and optionally crosslinking agents in water, spreading the dispersions on a substrate, removing the solvents by evaporation, and extraction of the lipids. Crosslinking group-containing water-soluble polymers may be used instead of reactive group-containing water-soluble polymers and crosslinking agents. Thus, an aqueous dispersion containing Me(CH2)15OCOCH[(CH2)2CO2(CH2)15Me]NHCO(CH2)10N+Me3 Br- 13.5, poly(allylamine) 0.43, and glutaraldehyde 0.38 g/L was cast on a glass plate to form a 3-mm liquid film, dried at 25° and 60% relative humidity for removal of water, and immersed in MeOH for extraction of the lipid to form a multilayer film.

IT 82135-69-1
RL: USES (Uses)
(in thin film laminate manufacture)

RN 82135-69-1 CAPLUS

CN 1-Decanaminium, 10-[4-[[[4-(dodecyloxy)-1-[(dodecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



L27 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1991:193378 CAPLUS
DOCUMENT NUMBER: 114:193378
ORIGINAL REFERENCE NO.: 114:32476a
TITLE: Aromatic acid amine salt multilayer film with structural periodicity
INVENTOR(S): Takeya, Yutaka; Matsuzawa, Hiroshi; Iwata, Kaoru
PATENT ASSIGNEE(S): Teijin Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02193954	A	19900731	JP 1989-11861	19890123

PRIORITY APPLN. INFO.: JP 1989-11861 19890123
OTHER SOURCE(S): MARPAT 114:193378

AB The multilayer film, with periodical structure in the thickness orientation, comprises C10-22 linear alkylamine salt of aromatic conjugated acid R(CH:CH)lCH:C(CN)CO2H [l = 0,1,2; R = (substituted) aromatic residue]. Me cyanate and p-dimethylaminocinnamoyl aldehyde were treated to give 5-(4-dimethylaminophenyl)-2-cyano-2,4-pentadienoic acid (I). The solution of I and a solution of C18H37COCHNHCOC6H4C18H37CO(CH2)2O(CH2)4NMe3Br were repeatedly contacted to give the multilayer film useful for elec. materials, waveguides, optoelec. devices, etc.

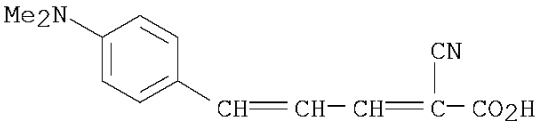
IT 133398-00-2
RL: PRP (Properties)
(multilayer film from, with periodic structure in thickness orientation)

RN 133398-00-2 CAPLUS

CN 1-Butanaminium, N,N,N-trimethyl-4-[4-[[[4-(octadecyloxy)-1-[(octadecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-, bromide, (S)-, 2-cyano-5-[4-(dimethylamino)phenyl]-2,4-pentadienoate (9CI) (CA INDEX NAME)

CM 1

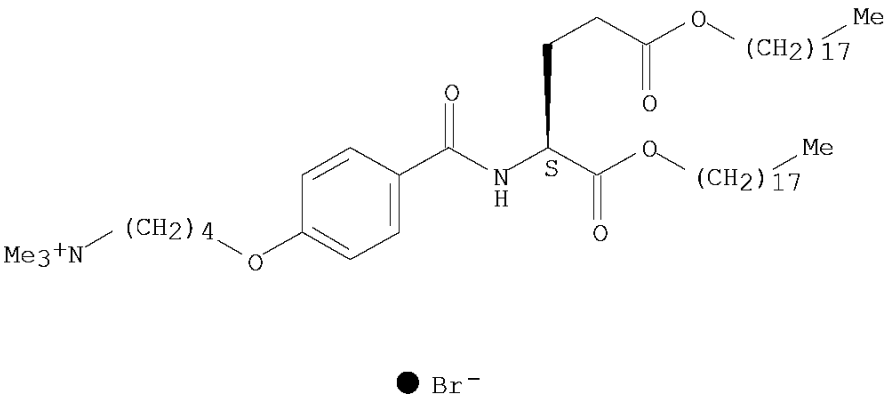
CRN 126057-95-2
CMF C14 H14 N2 O2



CM 2

CRN 107086-85-1
CMF C55 H101 N2 O6 . Br

Absolute stereochemistry.



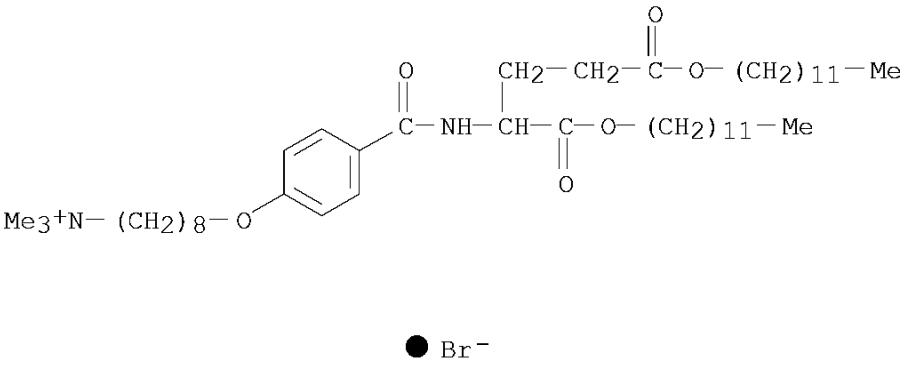
L27 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1991:179693 CAPLUS
DOCUMENT NUMBER: 114:179693
ORIGINAL REFERENCE NO.: 114:30191a,30194a
TITLE: The effect of physicochemical characteristics of synthetic cationic amphiphiles on DNA transfection
AUTHOR(S): Akao, Tetsuyuki; Osaki, Tetsurou; Mitoma, Junya; Ito, Akio; Kunitake, Toyoki
CORPORATE SOURCE: Fukuoka Ind. Technol. Cent., Chem. Text. Ind. Res. Inst., Chikushino, 818, Japan
SOURCE: Chemistry Letters (1991), (2), 311-14
CODEN: CMLTAG; ISSN: 0366-7022
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Bilayer membranes of double-chain ammonium amphiphiles were utilized for DNA transfection into eukaryotic cells. The efficiency of the DNA transfection was much higher when fluid, vesicular bilayers were used than when rigid, helical bilayers were used.

IT 133359-21-4
RL: PRP (Properties)
(bilayers, properties of, DNA transfection dependent on)

RN 133359-21-4 CAPLUS
CN 1-Octanaminium, 8-[4-[[[4-(dodecyloxy)-1-[(dodecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



L27 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1988:28831 CAPLUS
DOCUMENT NUMBER: 108:28831
ORIGINAL REFERENCE NO.: 108:4731a,4734a
TITLE: Fluorescence behavior and energy transfer of cyanine dyes bound to bilayer membranes of double chain ammonium amphiphiles
AUTHOR(S): Nakashima, Naotoshi; Ando, Reiko; Kunitake, Toyoki
CORPORATE SOURCE: Fac. Eng., Kyushu Univ., Fukuoka, 812, Japan
SOURCE: Bulletin of the Chemical Society of Japan (1987), 60(6), 1967-73
CODEN: BCSJA8; ISSN: 0009-2673
DOCUMENT TYPE: Journal
LANGUAGE: English

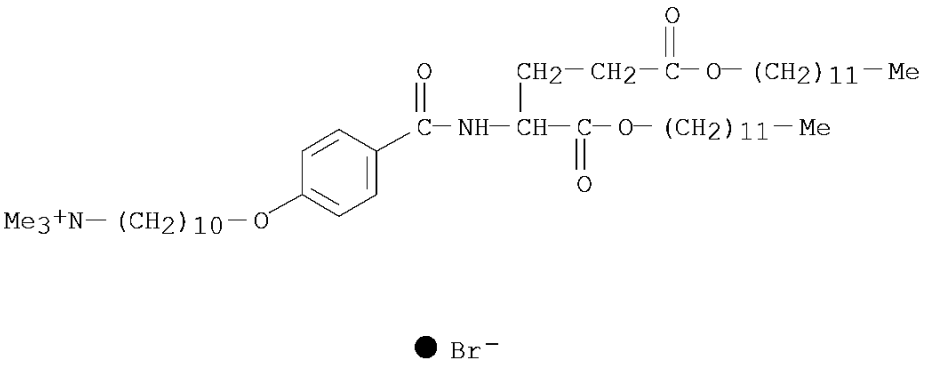
AB Neg.-charged cyanine dyes are bound specifically to aqueous bilayer membranes of double-chain ammonium amphiphiles, as reflected in their absorption spectra. The quantum yield of the fluorescence emission of a trimethine-thiacyanine dye is enhanced (≤0.64) when the dye is bound to crystalline bilayer membranes of certain double-chain ammonium amphiphiles. The fluorescence intensity diminished with the liquid crystalline

bilayers. Efficient energy transfer is noted from an oxyacyanine to the thiacyanine dye in the crystalline membrane matrix. The efficiency decreases by the membrane phase transition to the liquid crystalline state. These results are discussed in terms of specific dye binding and concentration of dyes at the membrane surface.

IT 82135-69-1
RL: PRP (Properties)
(fluorescence and energy transfer of cyanine dyes bound to bilayer membranes of)

RN 82135-69-1 CAPLUS

CN 1-Decanaminium, 10-[4-[[[4-(dodecyloxy)-1-[(dodecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



L27 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1987:534888 CAPLUS
DOCUMENT NUMBER: 107:134888
ORIGINAL REFERENCE NO.: 107:21809a,21812a
TITLE: Liquid crystal compositions
INVENTOR(S): Yanagi, Hiroyuki; Horimoto, Hikari; Ogata, Takayuki
PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62030154	A	19870209	JP 1985-168606	19850801
JP 02038136	B	19900829		

PRIORITY APPLN. INFO.: JP 1985-168606 19850801

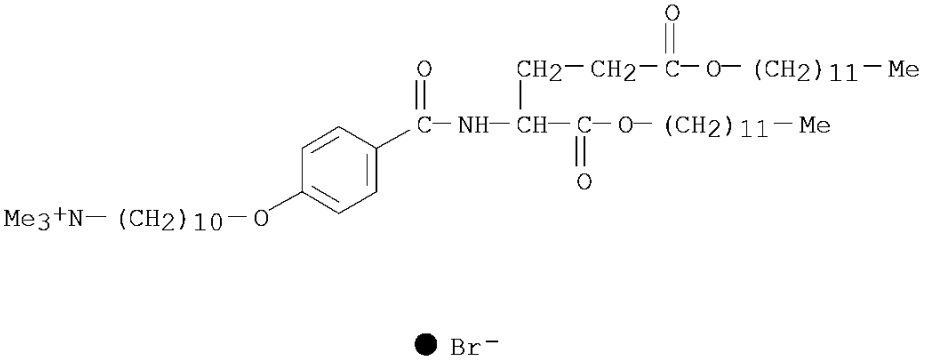
AB Title compns., having similar functions as vital membranes and high crystalline orientation and are useful in preparing display devices, various censors, testing materials for vital membrane studies, etc., contain polymers prepared from an ionic group-containing polymer and an organic compound containing ≥1 straight chain hydrophobic group containing a rigid part in the chain and an ionic group by heating in presence of water. Thus, 50 mmol dimethyldistearylammonium bromide in 500 cm3 water was mixed with 50 mmol poly(Na styrenesulfonate) (viscosity-average-mol. weight 6 + 106) in 500 cm3 water to give a precipitate, washed with MeOH, and heated 20 min in 70° water to give a compound having crystal-liquid crystal transition

temperature 31° and high liquid crystal orientation.

IT 82135-69-1D, reaction products with ionic group-containing polymer
RL: USES (Uses)
(liquid crystals, for display devices and vital membrane studies)

RN 82135-69-1 CAPLUS

CN 1-Decanaminium, 10-[4-[[[4-(dodecyloxy)-1-[(dodecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



L27 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1987:108337 CAPLUS

DOCUMENT NUMBER: 106:108337

ORIGINAL REFERENCE NO.: 106:17651a

TITLE: DSC studies of the phase transition behavior of synthetic bilayer membranes. Part I. Bilayer membranes of double-chain amphiphiles

AUTHOR(S): Kunitake, Toyoki; Ando, Reiko; Ishikawa, Yuichi

CORPORATE SOURCE: Fac. Eng., Kyushu Univ., Fukuoka, 812, Japan

SOURCE: Memoirs of the Faculty of Engineering, Kyushu University (1943-1999) (1986), 46(2), 221-43
CODEN: MEKSAS; ISSN: 0023-6160

DOCUMENT TYPE: Journal

LANGUAGE: English

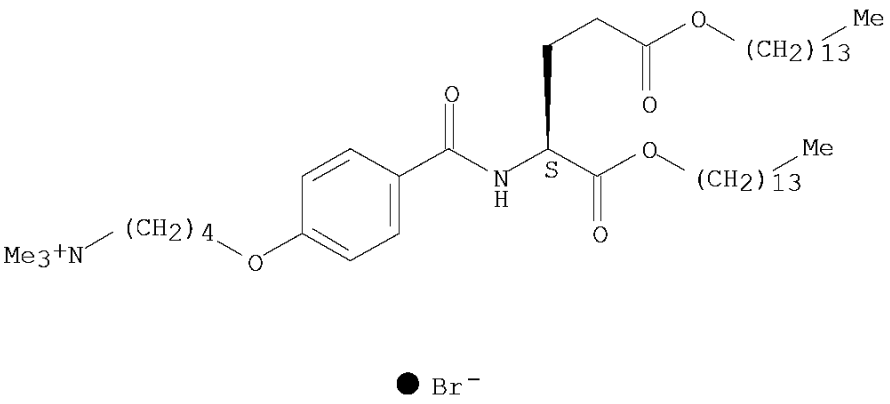
AB The gel-to-liquid crystal phase transition of bilayer membranes of synthetic double-chain amphiphiles was systematically examined by differential scanning calorimetry (DSC). A large amount of the DSC data - phase transition temperature (Tc), enthalpy change (ΔH) and entropy change (ΔS) - collected mostly in these labs. were correlated with the structural element of the component amphiphiles. These amphiphiles are composed of alkyl tails, connectors, spacers, and hydrophilic heads. The Tc value is raised with increasing lengths of tails and spacers, and when hydrocarbon tails are replaced with perfluorocarbon tails. Hydrogen bonding connectors as well as the aromatic unit in the spacer portion stabilize the gel state of bilayers. The influence of the head group structure is variable. Finally, the ΔS values are shown to be in the range of 60-220 J/K.mol for bilayer-forming amphiphiles, indicating that their phase transition processes are essentially identical.

IT 107086-89-5
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(phase transition of bilayer membranes of)

RN 107086-89-5 CAPLUS

CN 1-Butanaminium, N,N,N-trimethyl-4-[4-[[[4-oxo-4-(tetradecyloxy)-1-[(tetradecyloxy)carbonyl]butyl]amino]carbonyl]phenoxy]-, bromide, (S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



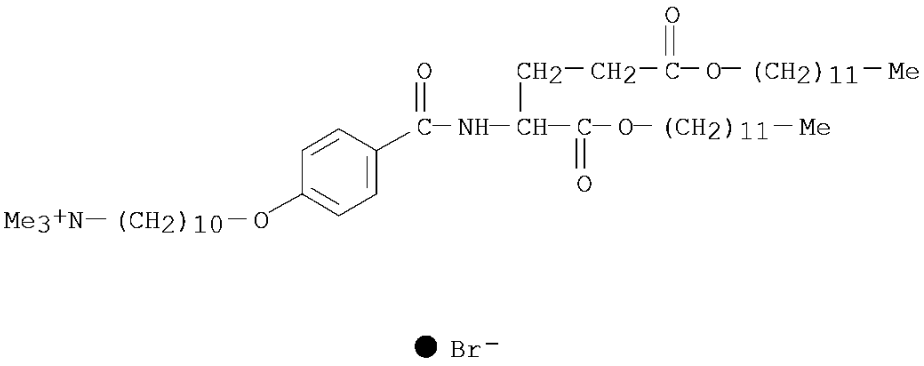
L27 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1986:535796 CAPLUS
DOCUMENT NUMBER: 105:135796
ORIGINAL REFERENCE NO.: 105:21907a,21910a
TITLE: Liquid crystalline compositions
INVENTOR(S): Ogata, Takayuki; Yanagi, Hiroyuki; Horimoto, Hikari
PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61060734	A	19860328	JP 1984-181680	19840831
JP 04056855	B	19920909		
PRIORITY APPLN. INFO.:			JP 1984-181680	19840831

AB The title compns., having improved stability and useful as biomembranes, comprise cellulose ethers and organic compds. containing quaternary ammonium groups and ≥2 linear hydrophobic groups or ≥1 linear hydrophobic group containing rigid chain segments. Thus, an aqueous salt solution of (C18H37)2N+Me2Br- and an aqueous solution of Nisso HPC-M (hydroxypropyl cellulose) were mixed, spread, and dried at 20° and normal pressure to give a 50-μ thick transparent liquid crystal film.

IT 82135-69-1
RL: USES (Uses)
(liquid crystals containing, for biol. membranes)

RN 82135-69-1 CAPLUS
CN 1-Decanaminium, 10-[4-[[[4-(dodecyloxy)-1-[(dodecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



L27 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1986:217045 CAPLUS
DOCUMENT NUMBER: 104:217045
ORIGINAL REFERENCE NO.: 104:34247a,34250a
TITLE: Liquid crystal compositions
INVENTOR(S): Kunitake, Toyoki; Tsuge, Akihiko; Horimoto, Hikari; Ogata, Takayuki
PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60228564	A	19851113	JP 1984-83629	19840427
JP 61040709	B	19860910		

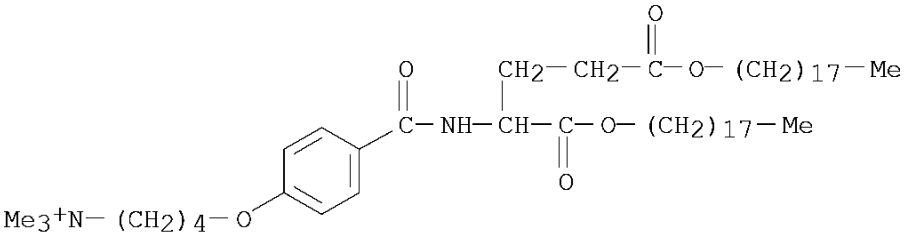
PRIORITY APPLN. INFO.: JP 1984-83629 19840427

AB Liquid crystal compns. comprise an ionic group-containing polymer and an organic compound having ionic groups and 2 or 3 linear hydrophobic groups (LHG) or a LHG-containing rigid chain. Thus, a solution of 50 mmol (C18H37)2Me2N+ Br- in 500 mL H2O was mixed with a solution of 50 mmol Na polystyrenesulfonate in 500 mL H2O and worked up to give 30 g white solid soluble in benzene and CHCl3, which showed an anisotropic phase when viewed between crossed polarizers, and when heated underwent a crystalline/liquid-crystalline transition at 38°, but were isotropic at 160°.

IT 102325-94-0P
RL: IMF (Industrial manufacture); PRP (Properties); PREP (Preparation)
(liquid crystal compns., manufacture of)
RN 102325-94-0 CAPLUS
CN Cellulose, carboxymethyl ether, ion (neg.), N,N,N-trimethyl-4-[4-[[[4-(octadecyloxy)-1-[(octadecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-1-butanaminium (9CI) (CA INDEX NAME)

CM 1

CRN 102325-93-9
CMF C55 H101 N2 O6

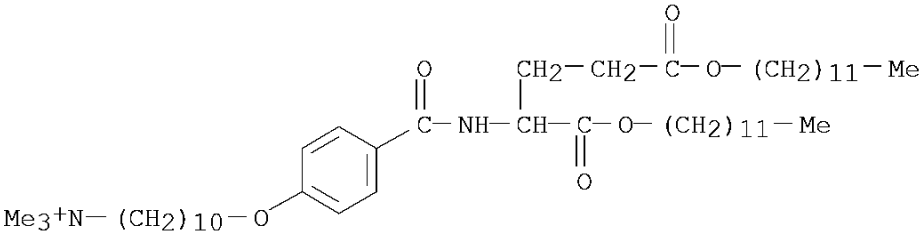


CM 2

CRN 39448-91-4
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L27 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1983:619229 CAPLUS
DOCUMENT NUMBER: 99:219229
ORIGINAL REFERENCE NO.: 99:33637a,33640a
TITLE: Casting of synthetic bilayer membranes on glass and spectral variation of membrane-bound cyanine and merocyanine dyes
AUTHOR(S): Nakashima, Naotoshi; Ando, Reiko; Kunitake, Toyoki
CORPORATE SOURCE: Fac. Eng., Kyushu Univ., Fukuoka, 812, Japan
SOURCE: Chemistry Letters (1983), (10), 1577-80
CODEN: CMLTAG; ISSN: 0366-7022
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Cast films were prepared on glass from aqueous dispersions of double-chain ammonium amphiphiles. The bilayer characteristics were preserved and specific spectral variations were observed for film-bound cyanine and merocyanine dyes.
IT 82135-69-1
RL: PRP (Properties)
(membranes, spectral variation of cyanine dyes bound to bilayer)
RN 82135-69-1 CAPLUS
CN 1-Decanaminium, 10-[4-[[[4-(dodecyloxy)-1-[(dodecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)

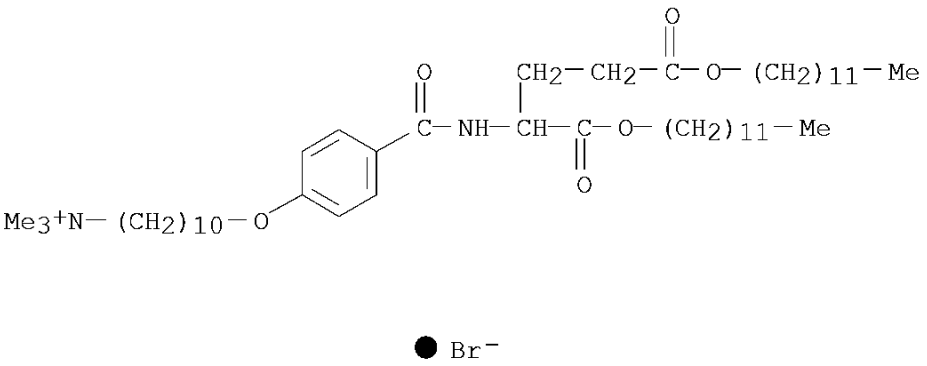


L27 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1982:440298 CAPLUS
DOCUMENT NUMBER: 97:40298
ORIGINAL REFERENCE NO.: 97:6897a,6900a
TITLE: Drastic fluorescence enhancement of cyanine dyes bound to synthetic bilayer membranes. Its high sensitivity to the chemical structure and the physical state of the membrane
AUTHOR(S): Nakashima, N.; Kunitake, T.
CORPORATE SOURCE: Fac. Eng., Kyushu Univ., Fukuoka, 812, Japan
SOURCE: Journal of the American Chemical Society (1982), 104(15), 4261-2
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Anionic cyanine dyes bound to ammonium bilayer membrane show fluorescence enhancement which is much larger than observed in the conventional aqueous micelle. The enhancement diminishes drastically upon phase transition of the matrix membrane from the crystal to the liquid crystal states. The chemical structure of the membrane component is also crucial for the enhancement. Apparently the large enhancement is derived from specific orientation of the dyes at the rigid membrane surface. Similar results are reported for cationic cyanine dyes bound to anionic bilayer membranes.

IT 82135-69-1
RL: USES (Uses)
(bilayer membranes, cyanine dyes bound to, fluorescence in relation to)

RN 82135-69-1 CAPLUS
CN 1-Decanaminium, 10-[4-[[[4-(dodecyloxy)-1-[(dodecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



=> d l27 1-5 ibib abs hitstr

L27 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:280690 CAPLUS
DOCUMENT NUMBER: 146:317787
TITLE: Self-assembling inorganic nanoparticle-organic compound composites, cured resins containing them, and their manufacture
INVENTOR(S): Narikiyo, Yoshitaka; Ogami, Shinya; Kimizuka, Nobuo
PATENT ASSIGNEE(S): Kyoritsu Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 20pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

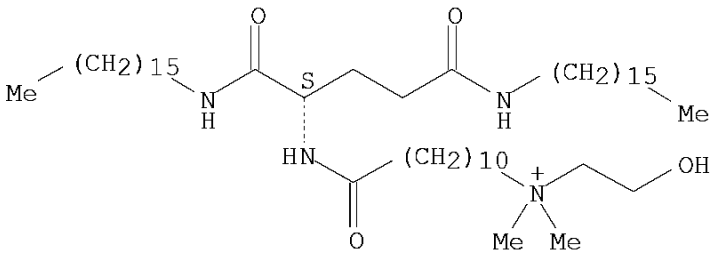
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007063232	A	20070315	JP 2005-254647	20050902

PRIORITY APPLN. INFO.: JP 2005-254647 20050902
OTHER SOURCE(S): MARPAT 146:317787

AB The invention relates to composites comprising inorg. nanoparticles and self-assembling organic compds. Thus, mixing a toluene solution of N-(11-dimethylhydroxyethylammonioundecanoyl)-L-glutamic acid dihexadecyldiamide with an aqueous solution of HAuCl4, heating at 120°, and reducing the metal salt gave a toluene solution of composite Au nanoparticles showing nanowire structure and reversible sol-gel transformation.

IT 763925-94-6P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(self-assembling inorg. nanoparticle-organic compound composites)
RN 763925-94-6 CAPLUS
CN 1-Undecanaminium, 11-[[(1S)-4-(hexadecylamino)-1-[(hexadecylamino)carbonyl]-4-oxobutyl]amino]-N-(2-hydroxyethyl)-N,N-dimethyl-11-oxo- (CA INDEX NAME)

Absolute stereochemistry.



L27 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:143197 CAPLUS
DOCUMENT NUMBER: 140:165218
TITLE: Molecule alignment polymer gel and molecule alignment polymer cast film having self-organizing amphiphilic compound as template and process for producing the same
INVENTOR(S): Kimizuka, Nobuo; Kagawa, Kazuhiro; Nakashima, Takuya
PATENT ASSIGNEE(S): Honda Giken Kogyo Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004014965	A1	20040219	WO 2003-JP10068	20030807

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,

TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

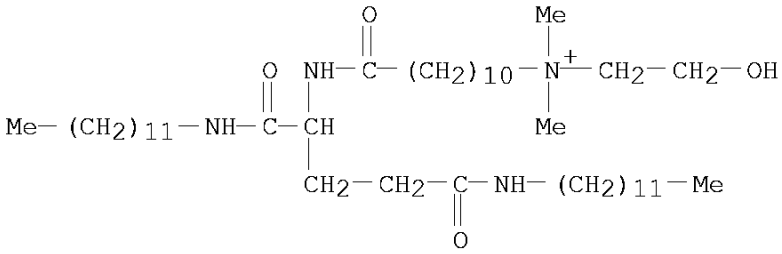
AU 2003254862	A1	20040225	AU 2003-254862		20030807
EP 1553109	A1	20050713	EP 2003-784575		20030807
EP 1553109	B1	20071024			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
JP 4257293	B2	20090422	JP 2004-527359		20030807
US 20060102876	A1	20060518	US 2005-524079		20051031
PRIORITY APPLN. INFO.:			JP 2002-231958	A	20020808
			JP 2003-13943	A	20030122
			WO 2003-JP10068	W	20030807

AB The invention relates to a mol. alignment polymer gel and a mol. alignment polymer film produced by the self-organization of a self-organizing amphiphilic compound with a monomer interacting with this amphiphilic compound followed by the polymerization of the monomer; and a process for producing the same.

IT 656838-00-5
RL: NUU (Other use, unclassified); USES (Uses)
(template; mol. alignment polymer gel and mol. alignment polymer cast film having self-organizing amphiphilic compound as template and process for producing the same)

RN 656838-00-5 CAPLUS

CN 1-Undecanaminium, 11-[[4-(dodecylamino)-1-[(dodecylamino)carbonyl]-4-oxobutyl]amino]-N-(2-hydroxyethyl)-N,N-dimethyl-11-oxo- (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:658880 CAPLUS

DOCUMENT NUMBER: 138:73478

TITLE: Light-harvesting supramolecular hydrogels assembled from short-legged cationic L-glutamate derivatives and anionic fluorophores

AUTHOR(S): Nakashima, Takuya; Kimizuka, Nobuo

CORPORATE SOURCE: Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka, 812-8581, Japan

SOURCE: Advanced Materials (Weinheim, Germany) (2002), 14(16), 1113-1116
CODEN: ADVMEW; ISSN: 0935-9648

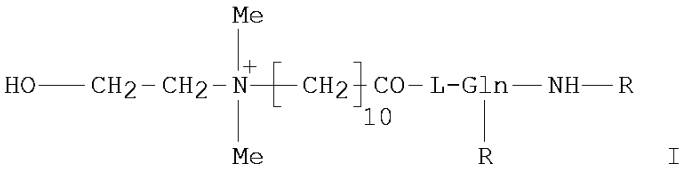
PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 138:73478

GI



AB Cationic L-glutamate derivs. [I; R = (CH2)7, CH(CH3)2] were prepared from I [R = (CH2)11CH3] for use as self-assembling receptors of fluorescent compds. 2-naphthalene sulfonate or 9,10-dimethoxy-2-anthracene sulfonate. Aqueous dispersions of I were prepared by ultrasonification, and found to show self-assembly behavior. Addition of fluorescent agents to I (R = (CH2)7, CH(CH3)2) gave hydrogels whose fluorescent properties were investigated as light-harvesting supramol. networks.

IT 479671-17-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and fluorescent behavior of as light-harvesting supramol. hydrogels)

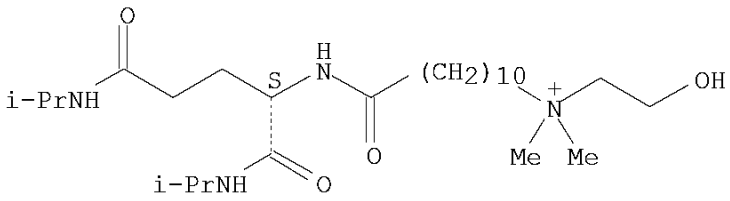
RN 479671-17-5 CAPLUS

CN 1-Undecanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-11-[[(1S)-4-[(1-methylethyl)amino]-1-[[(1-methylethyl)amino]carbonyl]-4-oxobutyl]amino]-11-oxo-, salt with 9,10-dimethoxy-2-anthracenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

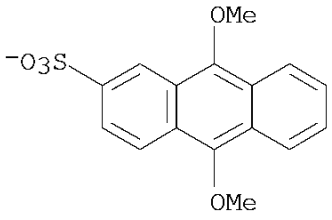
CRN 479671-16-4
CMF C26 H53 N4 O4

Absolute stereochemistry.



CM 2

CRN 137308-85-1
CMF C16 H13 O5 S



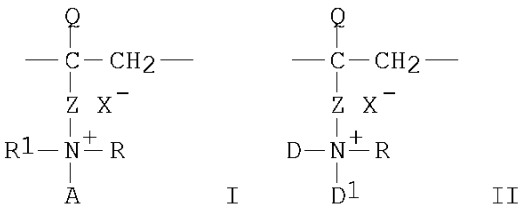
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:652816 CAPLUS
DOCUMENT NUMBER: 117:252816
ORIGINAL REFERENCE NO.: 117:43759a,43762a
TITLE: Chlorine-sensitive quaternary ammonium compound copolymer membrane and its manufacture
INVENTOR(S): Yanagi, Hiroyuki; Watanabe, Shin
PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04001239	A	19920106	JP 1990-100239	19900418
JP 07103252	B	19951108		

PRIORITY APPLN. INFO.: JP 1990-100239 19900418
GI



I II

AB Title membrane, with high selectivity for Cl- and useful in clin. anal., contain I [Q = H, alkyl, cyano; X- = halo; Z = Ph(CH2)n, (CH2)n (n = 1-10), PhOR2, PhCH2OR2, PhCH2OCOR2, PhCO2R2, PhCONHR2, PhNHCOR2, COOR2, OCOR2, CONHR2, and NHCOR2; R2 = (CH2)m, CH2(CH2OCH2)mCH2, CH2(CHMeOCH2)mCHMe (m = 1-10); R, R1 = C < 5 alkyl, halogenated alkyl, hydroxyalkyl, benzyl; A = 2 or 3 long-chain hydrophobic groups, nonionic monovalent linear hydrophobic group having a rigid in its chain} or II (D, D1= nonionic monovalent hydrophobic moiety) and C < 5 acrylamide derivative, and optionally 10-200 wt% (based on the polymer) C > 10 straight-chain alcs. A membrane, prepared by copolymg. a mixture of 5 mmol [CH3(CH2)17]2N+MeCH2-p-C6H4CH:CH2.Cl- and 7.5 mmol N-methylolacrylamide in EtOH-benzene mixture containing AIBN at 50° for 48 h, casting (after precipitating and dissolving in CHCl3), and heat-treating in 1 M NaCl and then 1.3
M HCl aqueous solution had relative selectivity (vs. Cl) for SO4 0.004, HPO4 0.005, MeCO2 0.021, and HCO3 0.11.

IT 141647-46-3
RL: TEM (Technical or engineered material use); USES (Uses)
(chloride-selective membranes)

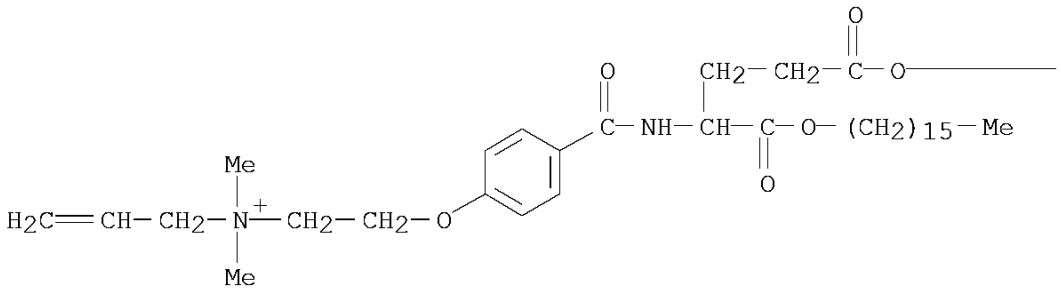
RN 141647-46-3 CAPLUS
CN 2-Propen-1-aminium, N-[2-[4-[[[4-(hexadecyloxy)-1-[(hexadecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]ethyl]-N,N-dimethyl-, chloride, polymer with N-(hydroxymethyl)-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 141608-85-7

CMF C51 H91 N2 O6 . Cl

PAGE 1-A



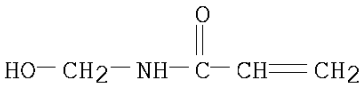
● Cl^-

PAGE 1-B

— $(CH_2)_{15}$ — Me

CM 2

CRN 924-42-5
CMF C4 H7 N O2



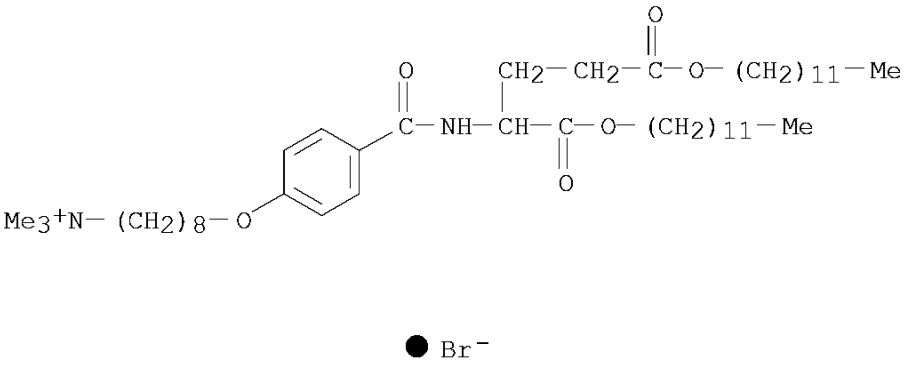
L27 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:145036 CAPLUS
DOCUMENT NUMBER: 116:145036
ORIGINAL REFERENCE NO.: 116:24345a,24348a
TITLE: Correlation between physicochemical characteristics of synthetic cationic amphiphiles and their DNA transfection ability
AUTHOR(S): Akao, Tetsuyuki; Osaki, Tetsurou; Mitoma, Junya; Ito, Akio; Kunitake, Toyoki
CORPORATE SOURCE: Chem. Text. Ind. Res. Inst., Fukuoka Ind. Technol. Cent., Chikushino, 818, Japan
SOURCE: Bulletin of the Chemical Society of Japan (1991), 64(12), 3677-81
CODEN: BCSJA8; ISSN: 0009-2673
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Liposomes formed with synthetic double-chain ammonium amphiphiles were used for DNA transfection into eukaryote cells. The authors studied the correlation between the efficiency of various cationic amphiphiles in DNA transfection and their physicochem. properties. The efficiency of

amphiphiles in the transfection was examined by the transient expression of β-galactosidase from its cDNA in COS cells. Amphiphiles with a phase-transition temperature (Tc) lower than 37°, as measured by differential scanning calorimetry, could introduce DNA into the cells. Electron microscopic observation indicated that amphiphiles possessing DNA transfection ability form vesicular structures in aqueous solution Thus, fluid and vesicular bilayer structures were much higher than rigid and helical bilayer structures regarding the effectiveness of amphiphiles in DNA transfection. The efficiency of didodecyl N-[p-(2-trimethylammonioethoxy)benzoyl]-L-glutamate bromide was the highest of all the synthetic amphiphiles examined

IT 133359-21-4P
RL: PREP (Preparation)
(preparation and genetic transformation using and physicochem. properties of)

RN 133359-21-4 CAPLUS

CN 1-Octanaminium, 8-[4-[[[4-(dodecyloxy)-1-[(dodecyloxy)carbonyl]-4-oxobutyl]amino]carbonyl]phenoxy]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



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STN INTERNATIONAL LOGOFF AT 16:34:16 ON 10 JUL 2009
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